

**ENHANCED HART DEVICE ALERTS
IN A PROCESS CONTROL SYSTEM**

ABSTRACT OF THE DISCLOSURE

Enhanced HART device alerts enable HART devices within a process control system to report alarm or alert conditions that are detected within the devices to a system user or operator using a plurality of intuitive device status conditions, each of which corresponds to a different level of severity and each of which may require a different type of response by the system user or operator. The status conditions are consistent with enhanced Fieldbus device alerts and include a condition associated with a failure of a HART device, a condition associated with maintenance needed by a HART device and an advisable action in connection with a HART device.

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